

## CLAIMS

What is claimed is:

1           1. A method for determining whether a particular service is provided by  
2 a cellular service provider comprising:

3           listening for a page which includes a particular number plan area code  
4 ("NPA") in a first frequency block;

5           if said page is not heard in said first frequency block within a specified  
6 time period, listening for a page in a second frequency block which includes said  
7 particular NPA; and

8           determining that said service is provided in said frequency block in which  
9 said page is sensed.

1           2. The method as in claim 1 further comprising:

2           upon sensing said page in either said first or said second frequency band,  
3 listening for a negative page within a time period following sensing said page,  
4 said negative page indicating that said service is not supported in said frequency  
5 band in which it is sensed.

1           3. The method as in claim 1 further comprising:

2           wherein upon hearing a negative page in said first frequency block,  
3 switching to said second frequency block and listening for a page which includes  
4 said NPA.



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1 10. A method for determining whether a service is provided in a cellular  
2 market comprising:  
3 transmitting a network beacon page request in a first frequency block; and  
4 listening for a network beacon page indicating that said service is  
5 provided.

1 11. The method as in claim 10 further comprising:  
2 determining that said service is provided upon hearing said network  
3 beacon page.

1 12. The method as in claim 10 further comprising:  
2 changing to a second frequency block if said network beacon page is not  
3 heard within a specified time period; and  
4 listening for said network beacon page in said second frequency block.

1 13. The method as in claim 10 wherein said network beacon page is  
2 identified by it's number plan area code ("NPA").

1 14. The method as in claim 10 further comprising:  
2 upon receiving a page following said network beacon page request,  
3 determining whether said page is a negative page indicating that said particular  
4 service is not provided in said first frequency block.

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1 15. The method as in claim 10 further comprising:  
2 upon receiving a page following said network beacon page request,  
3 listening for a negative page for a specified time period, said negative page

4 indicating that said particular service is not provided in said first frequency  
5 block.

1 16. The method as in claim 15 further comprising:  
2 transmitting a second network request beacon page in a second frequency  
3 block responsive to receiving a negative page in said first frequency block; and  
4 listening for a network beacon page indicating that said service is  
5 provided in said second frequency block.

1 17. The method as in claim 10 further comprising:  
2 updating a system identification ("SID") table to include a SID value  
3 identifying a cellular service provider in said market upon sensing said network  
4 beacon page.

1 18. An RF module comprising:  
2 a processor;  
3 a memory for storing instructions which, when executed by said  
4 processor, cause said processor to perform:  
5 transmitting a network beacon page request in a first frequency block; and  
6 listening for a network beacon page indicating that said service is  
7 provided.

1 19. The RF module as in claim 18 further including instructions which,  
2 when executed by said processor, cause said processor to additionally perform:  
3 determining that said service is provided upon hearing said network  
4 beacon page.



